

Title (en)
Electrostatically controlled micro-relay device

Title (de)
Elektrostatisch gesteuertes Mikrorelais

Title (fr)
Micro-relais contrôlé électrostatiquement

Publication
EP 1026718 A3 20010912 (EN)

Application
EP 99830731 A 19991125

Priority
IT TO990072 A 19990202

Abstract (en)
[origin: EP1026718A2] An electrostatically controlled micro-relay device comprises a base (2) provided with a pair of separate electrodes (5, 6) and a petal (8) constituted by a conductive film having the ends connected to the base (2) and a movable part carrying a pair of movable contacts (10) adapted to co-operate with respective fixed contacts (11, 12) carried by the base (2). By applying an electric voltage between the petal (8) and one of electrode (5, 6) of the other, an adhesion is caused by electrostatically effect of one part of the petal to the base, which causes engagement of one or the other of the movable contacts (10) with the respective fixed contacts (11, 12). <IMAGE>

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IPC 8 full level
H01H 59/00 (2006.01); **H01H 1/20** (2006.01)

CPC (source: EP)
H01H 59/0009 (2013.01); **H01H 1/20** (2013.01); **H01H 2059/0081** (2013.01)

Citation (search report)
• [XAY] DE 19730715 C1 19981126 - FRAUNHOFER GES FORSCHUNG [DE] & US 6162657 A 20001219 - SCHIELE IGNAZ [DE], et al
• [A] DE 19736674 C1 19981126 - SIEMENS AG [DE]
• [Y] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 11 30 September 1998 (1998-09-30)

Cited by
FR2854726A1; EP1793403A3; DE10040867A1; DE102004010150A1; DE102004010150B4; DE102004010150B9; US6927352B2; US6743989B2; US7786829B2; WO0217342A1; EP1719144B1

Designated contracting state (EPC)
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